

Title (en)

DETECTION SYSTEM, SIGNAL PROCESSING METHOD OF DETECTION SYSTEM, AND SMOKE SENSOR

Title (de)

ERKENNUNGSSYSTEM, SIGNALVERARBEITUNGSVERFAHREN FÜR DAS ERKENNUNGSSYSTEM UND RAUCHSENSOR

Title (fr)

SYSTÈME DE DÉTECTION, PROCÉDÉ DE TRAITEMENT DE SIGNAL DE SYSTÈME DE DÉTECTION, ET DÉTECTEUR DE FUMÉE

Publication

**EP 2432216 A1 20120321 (EN)**

Application

**EP 10774971 A 20100513**

Priority

- JP 2010058121 W 20100513
- JP 2009117025 A 20090513

Abstract (en)

Disclosed is a detection system capable of detecting a light source or an object irradiated by the light source serving as an object to be photographed with high accuracy and capturing a vivid image of the object to be photographed. Also disclosed are a signal processing method of the detection system and a smoke sensor. Specifically disclosed is a detection system (10) which comprises an image pickup unit (12), a light source (11), a first computing unit (134), a second computing unit (135), a third computing unit (137), a detecting unit (139), and a correction instructing unit (1310). The correction instructing unit outputs a correction instructing signal when the absolute value of a computation result A or that of a computation result B exceeds a permissible decrement. The third computing unit (137) corrects the computation result of which absolute value is reduced between the computation results such that the decrement is less than or equal to the permissible decrement when receiving the correction instructing signal (S4), and performs computation.

IPC 8 full level

**G08B 17/10** (2006.01); **H04N 23/76** (2023.01); **G08B 17/12** (2006.01)

CPC (source: EP KR US)

**G08B 17/10** (2013.01 - EP US); **G08B 17/125** (2013.01 - EP US); **H04N 7/18** (2013.01 - US); **H04N 23/745** (2023.01 - EP US); **H04N 23/76** (2023.01 - KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**US 2012038768 A1 20120216**; **US 8773533 B2 20140708**; CN 102422631 A 20120418; CN 102422631 B 20140702; EP 2432216 A1 20120321; EP 2432216 A4 20130807; EP 2432216 B1 20140827; JP 2010268161 A 20101125; JP 4994422 B2 20120808; KR 101332917 B1 20131126; KR 20120034157 A 20120410; TW 201112746 A 20110401; TW I489833 B 20150621; WO 2010131714 A1 20101118

DOCDB simple family (application)

**US 201013266149 A 20100513**; CN 201080021465 A 20100513; EP 10774971 A 20100513; JP 2009117025 A 20090513; JP 2010058121 W 20100513; KR 20117025190 A 20100513; TW 99115242 A 20100513